

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 09/85/271

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file  
     Wrapped Aminos    was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will  
     prevent "wrapping."
  
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino    The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers;  
     Numbering    use space characters, instead.
  
- 4      Non-ASCII    The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please  
     ensure your subsequent submission is saved in ASCII text.
  
- 5      Variable Length    Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules,  
     each n or Xaa can only represent a single residue. Please present the maximum number of each  
     residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0    A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
     "bug"    sequences(s)     . Normally, PatentIn would automatically generate this section from the  
     previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to  
     the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for  
     Artificial or Unknown sequences.
  
- 7      Skipped Sequences    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
     (OLD RULES)    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
     (i)    SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
     (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
     This sequence is intentionally skipped  
  
     Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8      Skipped Sequences    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
     (NEW RULES)    <210> sequence id number  
     <400> sequence id number  
     000
  
- 9      Use of n's or Xaa's    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
     (NEW RULES)    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
     In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10      Invalid <213>    Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or  
     Response    scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or  
     is Artificial Sequence
  
- 11      Use of <220>    Sequence(s) 3-5 missing the <220> "Feature" and associated numeric identifiers and responses.  
     Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or  
     "Unknown." Please explain source of genetic material in <220> to <223> section.  
     (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12      PatentIn 2.0    Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
     "bug"    resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence  
     listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OIPE

## RAW SEQUENCE LISTING

DATE: 05/21/2001

PATENT APPLICATION: US/09/851,271

TIME: 09:53:41

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05212001\I851271.raw

Does Not Comply  
Corrected Diskette Needed

P.2

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3 <110> APPLICANT: Gendaq Limited
5 <120> TITLE OF INVENTION: Screening System
7 <130> FILE REFERENCE: 674538-2003
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/851,271
C--> 9 <141> CURRENT FILING DATE: 2001-05-08
9 <150> PRIOR APPLICATION NUMBER: PCT/GB99/03730
10 <151> PRIOR FILING DATE: 1999-11-09
12 <150> PRIOR APPLICATION NUMBER: GB9824544.2
13 <151> PRIOR FILING DATE: 1998-11-09
15 <160> NUMBER OF SEQ ID NOS: 16
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 264
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <221> NAME/KEY: misc_structure
26 <222> LOCATION: (1)..(264)
27 <223> OTHER INFORMATION: sequence coding for a zinc finger protein
30 <400> SEQUENCE: 1
31 gcagaagaga agccttttca gtgtcgaatc tgcattgcgta acttcagcga tcgtagtagt      60
33 cttaccgcgc acacgaggac ccacacaggc gagaagcctt ttcagtgtcg aatctgcatg      120
35 cgtaaactca gcaggagcga taaccttacg agacacctaa ggaccacac aggcgagaag      180
37 ccttttcagt gtgcaatctg catgcgtaac ttcaggcaag ctgatcatct tcaagagcac      240
39 ctaaagaccc acacagggcga gaag                                     264
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 88
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial Sequence
47 <220> FEATURE:
48 <221> NAME/KEY: ZN_FING
49 <222> LOCATION: (1)..(88)
50 <223> OTHER INFORMATION: protein sequence encoding a zinc-finger domain
53 <400> SEQUENCE: 2
55 Ala Glu Glu Lys Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser
56 1          5          10          15
58 Asp Arg Ser Ser Leu Thr Arg His Thr Arg Thr His Thr Gly Glu Lys
59          20          25          30
61 Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp Asn
62          35          40          45
64 Leu Thr Arg His Leu Arg Thr His Thr Gly Glu Lys Pro Phe Gln Cys
65          50          55          60
67 Arg Ile Cys Met Arg Asn Phe Arg Gln Ala Asp His Leu Gln Glu His
68 65          70          75          80
70 Leu Lys Thr His Thr Gly Glu Lys
71          85
73 <210> SEQ ID NO: 3

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## RAW SEQUENCE LISTING

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Input Set : A:\Sequence Listing.txt

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74 <211> LENGTH: 31  
 75 <212> TYPE: PRT  
 76 <213> ORGANISM: Artificial Sequence  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: VARIANT  
 80 <222> LOCATION: (1)..(31)  
 81 <223> OTHER INFORMATION: 'X' can be any amino acid as described in the specification  
 84 <400> SEQUENCE: 3

W--> 86 Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 87 1 5 10 15

W--> 89 Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His  
 90 20 25 30

92 &lt;210&gt; SEQ ID NO: 4

93 &lt;211&gt; LENGTH: 31

94 &lt;212&gt; TYPE: PRT

95 &lt;213&gt; ORGANISM: Artificial Sequence

97 &lt;220&gt; FEATURE:

98 &lt;221&gt; NAME/KEY: VARIANT

99 &lt;222&gt; LOCATION: (1)..(31)

100 &lt;223&gt; OTHER INFORMATION: 'X' can be any amino acid as described in the specification

103 &lt;400&gt; SEQUENCE: 4

W--> 105 Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa  
 106 1 5 10 15

W--> 108 Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Cys  
 109 20 25 30

111 &lt;210&gt; SEQ ID NO: 5

112 &lt;211&gt; LENGTH: 24

113 &lt;212&gt; TYPE: PRT

114 &lt;213&gt; ORGANISM: Artificial Sequence

116 &lt;220&gt; FEATURE:

117 &lt;221&gt; NAME/KEY: VARIANT

118 &lt;222&gt; LOCATION: (1)..(24)

119 &lt;223&gt; OTHER INFORMATION: 'X' can be any amino acid as described in the specification

122 &lt;400&gt; SEQUENCE: 5

W--> 124 Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa  
 125 1 5 10 15

W--> 127 Leu Xaa Xaa His Xaa Xaa Xaa His  
 128 20

130 &lt;210&gt; SEQ ID NO: 6

131 &lt;211&gt; LENGTH: 4

132 &lt;212&gt; TYPE: PRT

133 &lt;213&gt; ORGANISM: Artificial Sequence

135 &lt;220&gt; FEATURE:

136 &lt;221&gt; NAME/KEY: PEPTIDE

137 &lt;222&gt; LOCATION: (1)..(4)

138 &lt;223&gt; OTHER INFORMATION: linker

141 &lt;400&gt; SEQUENCE: 6

143 Thr Gly Glu Lys

144 1

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DATE: 05/21/2001

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TIME: 09:53:41

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05212001\I851271.raw

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146 <210> SEQ ID NO: 7
147 <211> LENGTH: 5
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <221> NAME/KEY: PEPTIDE
153 <222> LOCATION: (1)..(5)
154 <223> OTHER INFORMATION: linker
157 <400> SEQUENCE: 7
159 Thr Gly Glu Lys Pro
160 1 5
162 <210> SEQ ID NO: 8
163 <211> LENGTH: 26
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <221> NAME/KEY: ZN_FING
169 <222> LOCATION: (1)..(26)
170 <223> OTHER INFORMATION: zinc finger consensus structure
173 <400> SEQUENCE: 8
175 Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
176 1 5 10 15
178 Leu Val Lys His Gln Arg Thr His Thr Gly
179 20 25
181 <210> SEQ ID NO: 9
182 <211> LENGTH: 29
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <221> NAME/KEY: ZN_FING
188 <222> LOCATION: (1)..(29)
189 <223> OTHER INFORMATION: zinc finger consensus structure
192 <400> SEQUENCE: 9
194 Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn
195 1 5 10 15
197 Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro
198 20 25
200 <210> SEQ ID NO: 10
201 <211> LENGTH: 6
202 <212> TYPE: PRT
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <221> NAME/KEY: PEPTIDE
207 <222> LOCATION: (1)..(6)
208 <223> OTHER INFORMATION: leader peptide
211 <400> SEQUENCE: 10
213 Met Ala Glu Glu Lys Pro
214 1 5
216 <210> SEQ ID NO: 11

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RAW SEQUENCE LISTING                      DATE: 05/21/2001  
 PATENT APPLICATION: US/09/851,271        TIME: 09:53:41

Input Set : A:\Sequence Listing.txt  
 Output Set: N:\CRF3\05212001\I851271.raw

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217 <211> LENGTH: 4
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <221> NAME/KEY: PEPTIDE
223 <222> LOCATION: (1)..(4)
224 <223> OTHER INFORMATION: smallest unit of stalling polypeptide sequence
227 <400> SEQUENCE: 11
229 Ala Ala Val Pro
230 1
232 <210> SEQ ID NO: 12
233 <211> LENGTH: 24
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <221> NAME/KEY: PEPTIDE
239 <222> LOCATION: (1)..(24)
240 <223> OTHER INFORMATION: linker sequence followed by the stalling polypeptide sequence
243 <400> SEQUENCE: 12
245 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
246 1 5 10 15
248 Gly Gly Gly Ser Ala Ala Val Pro
249 20
251 <210> SEQ ID NO: 13
252 <211> LENGTH: 23
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <221> NAME/KEY: promoter
258 <222> LOCATION: (1)..(23)
259 <223> OTHER INFORMATION: bacteriophage T7 RNA polymerase promoter sequence
262 <400> SEQUENCE: 13
263 taatacgact aactataggg aga 23
266 <210> SEQ ID NO: 14
267 <211> LENGTH: 6
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <221> NAME/KEY: RBS
273 <222> LOCATION: (1)..(6)
274 <223> OTHER INFORMATION: bacteriophage T7, gene 10 ribosome binding site
277 <400> SEQUENCE: 14
278 aaggag 6
281 <210> SEQ ID NO: 15
282 <211> LENGTH: 18
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <221> NAME/KEY: misc_feature

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/851,271

TIME: 09:53:41

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05212001\I851271.raw

288 <222> LOCATION: (1)..(18)  
289 <223> OTHER INFORMATION: DNA sequence encoding the ribosome stalling peptide sequence  
292 <400> SEQUENCE: 15  
293 atggttaaaa cagataaa 18  
296 <210> SEQ ID NO: 16  
297 <211> LENGTH: 6  
298 <212> TYPE: PRT  
299 <213> ORGANISM: Artificial Sequence  
301 <220> FEATURE:  
302 <221> NAME/KEY: PEPTIDE  
303 <222> LOCATION: (1)..(6)  
304 <223> OTHER INFORMATION: ribosome stalling peptide sequence  
307 <400> SEQUENCE: 16  
309 Met Val Lys Thr Asp Lys  
310 1 5

VERIFICATION SUMMARY

DATE: 05/21/2001

PATENT APPLICATION: US/09/851,271

TIME: 09:53:42

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\05212001\I851271.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5